



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

MEMORANDUM:

To: Driss Benmhend, Registration Division, RM Reviewer

From: Clayton Myers, Entomologist

Date: April 7, 2014

CS
4-7-14

Subject: PRODUCT PERFORMANCE DATA EVALUATION RECORD

CONTRACTOR TASK#: 2-184

DP barcode: 417485
Decision no.: 485385
Submission no: 944311
Product Name: CHEMSICO Aerosol Insecticide
EPA Reg. No or File Symbol: 9688-111
Formulation Type: RTU Aerosol

Ingredients statement from the label with PC codes included: Permethrin, 0.20%, PC: 109701; Pyrethrins, 0.10%, PC: 069001; Piperonyl Butoxide, 0.50%, 067501

Application rate(s) of product and each active ingredient (lbs. or gallons/1000 square feet or per acre as appropriate; and g/m² or mg/cm² as appropriate): For use indoors and outdoors at various rates depending on pest/site.

I. Action Requested: Data was submitted to revise and support claims against various pest species for an RTU aerosol product containing permethrin, pyrethrins, and pbo, for use indoors and outdoors via direct spray and residual treatments.

II. Background: The registrant seeks to support revised kill and residual control claims against a number of public health pests.

III. MRID Summaries: (Primary Reviews attached)

a. MRID 48015906

- (1) GLP, a study evaluating direct-spray knockdown and killing efficacy against various pests
- (2) Partially Acceptable
- (3) Killing claims are adequately supported for direct-spray (kill) of German roaches, American roaches, houseflies, mosquitoes, carpenter ants, brown dog ticks, and cat fleas. Knockdown claims (kills fast/on contact) are supported for German cockroaches and carpenter ants. Claims against spiders are unacceptable.

b. MRID 49236304

- (1) Non-GLP, a study evaluating killing efficacy against paper wasps
- (2) Partially Acceptable
- (3) Claims are adequately supported for killing wasps. Knockdown (kills fast/on contact) are not supported.

c. MRID 49236305

- (1) Non-GLP, a study evaluating killing efficacy against yellow jackets
- (2) Partially Acceptable

(3) Claims are adequately supported for killing yellow jackets. Knockdown (kills fast/on contact) are not supported.

d. MRID 49266501

(1) GLP, a study evaluating residual efficacy against various pests

(2) Partially Acceptable

(3) Residual claims are supported for German roaches, American roaches, harvester ants, carpenter ants, house crickets, firebrats, and houseflies for up to 12 weeks on all surfaces. No claims are supported for mosquitoes.

e. MRID 49266502

(1) GLP, a study evaluating knockdown and killing efficacy against carpenter ants and scorpions

(2) Partially acceptable

(3) Killing and knockdown claims are supported for carpenter ants. Claims against scorpions are unacceptable.

(1) Labeling:

(a) What pests and site/pest combinations may be added as follows to the label based on the submitted or cited data?

Killing claims are acceptable for the pests as proposed, except for spiders and scorpions, and with the exception that the tick claim must either be a specific claim against Brown dog ticks or must exclude ticks that may transmit Lyme Disease, since no data was submitted or cited for *Ixodes* or *Amblyomma* species. The ant claim must also exclude fire and pharaoh ants.

Residual control claims (up to 12 weeks) are acceptable for German and American cockroaches (general cockroach claim is acceptable), harvester ants, carpenter ants, and house flies. The ant claim must exclude fire and pharaoh ants.

(b) What pests and site/pest combinations must be removed from the label?

Scorpion and spider claims are unacceptable and must be removed throughout the label. Ant claims must exclude fire and pharaoh ants throughout the label. Tick claims must exclude ticks that may transmit Lyme Disease, or be modified to species specific claims for black dog ticks. Spider claims must exclude brown recluse spiders.

(c) List changes to the directions for use:

Modify any use directions to exclude the pests as listed in item *b* above.

(d) List changes to the optional marketing claims:

Modify any marketing claims to remove or exclude the pests as listed in item *b* above.